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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/750,360	12/31/2003	Wen-Jyh Sah	250317-1080	4926
24504	7590 06/22/2006		EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP			DUDEK, JAMES A	
100 GALLER STE 1750	100 GALLERIA PARKWAY, NW STE 1750		ART UNIT	PAPER NUMBER
ATLANTA, GA 30339-5948		2871		

DATE MAILED: 06/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	-
		10/750,360	SAH ET AL.	
	Office Action Summary	Examiner	Art Unit	
	·	James A. Dudek	2871	<u> </u>
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with the	correspondence addre	ess
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING DON'S INC. (6) MONTHS from the mailing date of this communication. Opened for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO (36(a)). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from to, cause the application to become ABANDON	N. imely filed in the mailing date of this comm ED (35 U.S.C. § 133).	
Status				
′=	Responsive to communication(s) filed on This action is FINAL . 2b) This Since this application is in condition for allowarclosed in accordance with the practice under Expression 1.	s action is non-final. nce except for formal matters, pr		nerits is
Dispositi	on of Claims			
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-10 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-10 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.		
Applicati	on Papers			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. So tion is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR	, -
Priority i	ınder 35 U.S.C. § 119			
12)[a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureausee the attached detailed Office action for a list	is have been received. Is have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National St	age
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:		52)

Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3 and 6-9 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US006937304B2 (304). See figures 7B and 7C and corresponding specification, the source [133], the drain [135] and photo-reflect layer [149] are formed simultaneously [see second full paragraph in column 10, they are form from chrome.] 119a is the transparent electrode. 125 is the capacitor electrode.

Per claim 1, 304 teaches a manufacturing method comprising: forming a first conductive layer on a substrate; defining the first conductive layer to form a gate [figure 7A, 132]; forming a dielectric layer thereon [143]; forming a channel over the gate [134]; forming a photo-resist block [ohmic contact 147]; forming a second conductive layer [see second full paragraph in column 10, they are form from chrome.]; defining the second conductive to form a source and a drain over the gate meanwhile, forming a photo-reflective layer on the photo-resist block [see figure 7C]; forming a protection layer thereon [151]; defining the protection layer, forming a first opening on the drain allowing part of the drain to be exposed, and forming a second opening on the photo-reflective layer allowing part of the photo-reflective layer to be exposed [153,157]; and forming a transparent electrode electrically connected to the drain and the photo-reflective layer via the first and the second opening [119a].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 2, 4-5, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over 366 in view of 304.

304 teaches the claimed invention except glass substrate and using positive photo-resist on the capacitor electrode. However, it was well known to use glass as a substrate material for its high transparency and pattern conductive layer using positive photo-resist to decrease manufacturing costs. Accordingly, it would have been obvious to one of ordinary skill in the art at the time of invention combine the well known glass substrate and positive photo-resist with 304.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Response to Arguments

Applicant's arguments with respect to the pending claims have been considered but are

moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The

examiner can normally be reached on 9:00-5:30.

The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at \$66\(217\) 9197 (toll-free).

James A. Dudek

Primary Examiner

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